SONY

VAIO PROFESSIONAL

Plenty of power. Won't overpower your workspace.

VGN-A170B CTO Notebook

The Sony® VAIO® A Series Professional Notebook seamlessly unites desktop PC power and multimedia functionality with performance that will rival any desktop computer. Add on an optional port replicator to easily connect your notebook to a printer or external monitor. Just plug in and you're ready to work. This portable notebook gives you plenty of power that won't overpower your workspace.

Portable Multitasking Center

Do business presentations without a projector on your 17" widescreen display. Side-by-side layout view. Powerful desktop replacement solution, yet still mobile.

Centrino™ Mobile Technology

Centrino™ Mobile technology runs cool and quiet, while keeping the profile slim and light, with enhanced performance and battery life. A remarkable blend of full-size power and portability. Wireless capabilities let you connect wire free around your home or on the road.

Superior LCD Technology

Powerful combination of exclusive Sony technologies is optimized for high-impact multimedia presentations or viewing multiple documents. XBRITE™ LCD Technology delivers ultra crisp and bright, fast graphics. Smart Display Sensor automatically adjusts to any projector or display resolution.

Integrated Optical Drive

Efficient media storage with choice of DVD-ROM/CD-RW or DVD±RW/CD-RW drive. Burn presentations and professional quality multimedia disks.

Model
VGN-A170B CTO

HARDWARE

Processor (Configurable)[1]
Intel® Pentium® M Processor 745 (1.80GHz, 2MB L2 Cache)
Intel® Pentium® M Processor 735 (1.70AGHz, 2MB L2 Cache)
Intel® Pentium® M Processor 1.50GHz (1MB L2 Cache)
Intel® Celeron® M Processor 1.40GHz (1MB L2 Cache)

Front Side Bus Speed
400MHz

Chipset
Intel® 855PM

Hard Drive (Configurable)[2]
40GB (4200rpm), 60GB (4200rpm), 80GB (4200rpm), 80GB (5400rpm)

Integrated Wireless LAN
Intel® PRO/Wireless 2200BG Network Connection (802.11b/g)[3]

Bluetooth™
Integrated Bluetooth™ Technology[12]

LCD
17" WUXGA with XBRITE™ Technology (1920x1200)

Graphics
ATI Mobility™ Radeon™ 9700

Memory (Configurable)
256MB (256 MB x DDR 333), 512MB (256 MB x 2/DDR 333), 512MB (512 MB x 1/DDR 333), 1GB (512 MB x 2/DDR 333), 1GB (1 GB x 1/DDR 333), 2GB (1 GB x 2/DDR 333)

Memory Max
2GB

Video RAM
64MB

Optical Drive (Configurable)
DVD±RW/CD-RW[4]
CD Read (24x MAX), CD-R Write (16x MAX)
CD-RW Read (10x MAX), CD-RW Write (8x MAX)
DVD Read (8x MAX), DVD-R Write (4x MAX)
DVD-RW Read (2x MAX), DVD-RW Write (2x MAX)
DVD+R Read (4x MAX), DVD+R Write (2.4x MAX)
DVD+RW Read (2x MAX), DVD+RW Write (2xMAX)
DVD-ROM/CD-RW Combo Drive
CD Read (24x MAX), CD-R Write (24x MAX)
CD-RW Read (8x MAX), CD-RW Write (10x MAX)
DVD Read (8x MAX), DVD-R Read (6x MAX)
DVD-RW Read (6x MAX), DVD+R Read (6x MAX)
DVD+RW Read (6x MAX)

Modem
Integrated V.90 Modem with RJ-11 interface

Ethernet
10BASE-T/100BASE-TX/1000BASE-TX Ethernet with RJ-45 interface

Memory Stick® Media Slot
Supports optional Memory Stick, Memory Stick PRO™ and Memory Stick DUO™ media[5]

PC Card Slots
One PCMCIA - Type II/Type I card slot with CardBus support

Audio
Windows® sound system compatible, Built-in stereo speakers

Audio Interface
Monaural mini microphone jack, Headphone jack

Graphics Interface
VGA out w/ Smart Display Sensor

Video Interface
A/V mini jack (Composite out/ Line out), Giga Pocket™ Engine MPEG2 Realtime

Other Interfaces
i.LINK® connector(IEEE 1394), 3 USB 2.0 ports, port replicator connector[6]

Pointing Device
Electro-Static touch pad

Keyboard
QWERTY, 86 keys with 3mm stroke and 19.05mm pitch

Action Buttons
Power On, S1(programmable), Magnify Screen, Brightness, Volume(+), Volume(-), Mute

Power Requirements
168W±10%

Battery
Lithium-ion Battery (PCGA-BP2EA)

Estimated Battery Life
Standard Battery: 1.5-3.5 hours[7]

Optional Floppy Drive
External 1.44 MB, 3.5" USB floppy drive (PCGA-UFD5)

Weight
8.6 lbs. with standard battery (weight is approximate and may vary)

Size (W x H x D)
16 x 1.7-1.8 x 11 (inches)

Supplied Accessories
Standard Lithium-ion battery (PCGA-BP2EA), Power cord & AC adapter (PCGA-AC19V7)

Configurable Accessories
AV Entertainment Dock w/Speakers (2) & Remote Control including: DC in, Four USB 2.0 ports, Monitor (VGA) port, VHF/UHF TV port, S-Video in/out, DVI-D, RJ-45 Ethernet, Printer port,Optical out, Line in (RCA Pin), Line out (RCA Pin), Dock Connector
Wireless optical mouse (PCGA-WMS5/S)
5-in-1 Memory Card Adapter (VGP-MCA10)

Optional Accessories
Rechargeable Battery Pack (PCGA-BP2EA)
Port Replicator (VGP-PRA1)
AC Adapter (PCGA-AC19V3)
AC Adapter (PCGA-AC19V7)
802.11 a/b/g Wireless LAN Router Access Point (PCWA-AR800)
802.11 a/b/g Wireless LAN Ethernet Converter (PCWA-DE80)[3]
Visual Communication Camera (PCGA-UVC11A)
Wireless optical mouse (PCGA-WMS5/S)
USB Mobile Mouse- Black (PCGA-UMS3/B)
USB Mobile Mouse- Silver (PCGA-UMS3/S)
USB Optical VAIO Mouse (PCGA-UMS5)
Memory Card Adapter (VGP-MCA10)
512MB memory expansion module (VPG-MM512G)
60GB External Hard Drive (PCGA-HDM06)[2]
External Floppy Disk Drive(PCGA-UFD)

SOFTWARE

Operating System
Microsoft® Windows® XP Professional

VAIO® Professional Software Bundle
Network Smart Capture
Sony BlueSpace™ software
Sony VAIO Recovery Wizard software
Sony VAIO Help and Support software
Adobe® Acrobat® Reader
InterVideo® WinDVD®
EasySystems Dragn' Drop CD+DVD[11]
Microsoft® Works 7.0

Anti-Virus Software
Norton® Internet Security™ 90-Day Subscription

Optional Software
Sony Click to DVD™ software[11]
Sony DVGate Plus™ software
Sony SonicStage™ software
Sony SonicStage™ Mastering Studio software with MP3 encoder
Sony PictureGear™ Studio software
Sony VAIO Media™ software
Microsoft Office® 2003 60-Day Trial (Student/Teacher or Small Business Edition depending on OS)[8]
Microsoft® Office 2003 (Standard, Small Business, or Professional Edition)
Adobe® Photoshop® Elements
Adobe Photoshop Album Starter Edition
Adobe Premiere® (Standard or Professional Edition)
AOL Online™ 90-day Trial[8]

Limited Warranty
1 Year Battery
1 Year Hardware Parts and Labor[9]

Repair Service
Includes customer-replaceable part service and mail-in Sony depot service options[10]

Telephone Support
1 year of 24-hour, 7-day-a-week, free support for hardware issues. 90 days of free support for software and operating system issues.

On-line and Email Support
Free support available from http://www.sony.com/pcsupport

1. GHz denotes microprocessor internal clock speed; other factors may affect application performance. CPU speed will be reduced under certain operating conditions.
2. GB means one billion bytes when referring to hard drive capacity. Accessible capacity may vary. A portion of hard disk space is reserved as a recovery partition.
3. Requires compatible wireless LAN access point, sold separately. Sony cannot guarantee the security of wireless communications. Internet connection may require fees.
4. DVD Media/Formats are not universally compatible.
5.Supports Memory Stick PRO™, high-capacity media (tested up to 1GB), and supports Memory Stick DUO™ media. Does not support MagicGate™ functionality.
6. i.LINK is a trademark of Sony used only to designate that a product contains an IEEE 1394 connector. All products with an i.LINK connector may not communicate with each other.
7. Estimated battery life. Actual battery life may vary on usage.
8. New users only. Terms and conditions apply.
9. Certain restrictions apply. For a copy of Sony's warranty, please visit www.sony.com/pcsupport, call toll-free 888-476-6972 (888-4SONYPC), or write to Sony Electronics, 12451 Gateway Boulevard, Fort Myers, FL 33913.
10. Type of repair service provided is solely at Sony's discretion. Not all types of repair service offered on all models.
11. With DVD±RW Drive option only.
12. Interoperability among Bluetooth devices varies. Please see website for compatibility details.

Computer Interface: The computer industry lacks standards, and therefore, there are a multitude of varying software packages and add-on hardware options. This personal computer is not manufactured to operate any specific software, and Sony does not and cannot make any warranty or representation with respect to the performance of this product with any particular software packages and/or non-Sony add-on hardware options except those mentioned in this document. Sony hereby disclaims any representations or warranty that this product is compatible with any combination of products you may choose to connect. While Sony representatives or Sony authorized dealers may be able to assist you and may make recommendations, they are NOT authorized to vary or waive this disclaimer. Purchasers must determine for themselves the suitability and compatibility of the hardware and software in each and every particular instance. Software titles pre-installed on the Sony Notebook Computer are subject to change without notice. Simulated graphic shown on display. Preinstalled software may not be identical to retail versions or have all documentation. This product meets the standards of the International Energy Star Program for energy efficiency. Features and specifications are subject to change without notice. Non-metric weights and measurements are approximate.

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Sony recommends Microsoft® Windows® XP Professional